

CLAIM AMENDMENTS

Presented below is a complete listing of the claims of the present application indicating any amendments thereto.

1-15. (Canceled)

16. (Currently Amended) The computer-readable medium of claim ~~15~~ 27 wherein the step of setting the input and output data types comprises the step of setting the input data type to a streaming media input type and of setting the output data type to a streaming media output type.

17. (Original) The computer-readable medium of claim 16 wherein the step of setting the streaming media input type comprises the step of setting the streaming media input type to a streaming audio input media type and the step of setting the streaming media output type comprises the step of setting the streaming media output type to a streaming audio output media type.

18. (Original) The computer-readable medium of claim 16 wherein the step of setting the streaming media input type comprises the step of setting the streaming media input type to an input streaming video media type and the step of setting the streaming media output type comprises the step of setting the streaming media output type to an output streaming video media type.

19. (Currently Amended) The computer-readable medium of claim ~~15~~ 27 having further computer-executable instructions for performing the step of setting an incomplete status flag upon receiving a command from the application to generate output data if all output data for the associated input data cannot be generated.

20. (Original) The computer-readable medium of claim 19 having further computer-executable instructions for performing the step of resetting the incomplete status flag upon generating all output data for the associated input data.

21. (Original) The computer-readable medium of claim 19 having further computer-executable instructions for performing the steps of buffering input data internally when there is insufficient input data to generate output data.

22. (Currently Amended) The computer-readable medium of claim ~~15~~ 27 having further computer-executable instructions for performing the step of providing an indication that the output data can be generated.

23. (Currently Amended) The computer-readable medium of claim ~~15~~ 27 having further computer-executable instructions for performing the step of enumerating types of data that are supported in response to a query from the application.

24. (Currently Amended) The computer-readable medium of claim ~~15~~ 27 having further computer-executable instructions for performing the step of generating all data that can be processed in response to notice from the application that data is discontinuous on the input.

25-26. (Canceled)

27. (Currently Amended) ~~A The computer-readable medium of claim 26 wherein the application has a fixed buffer size the computer-readable medium~~ having further computer-executable instructions for performing the steps of:

setting input and output data types for a respective input and output of an object in response to at least one command from an application having a fixed buffer size;

processing input data on the input of the object in response to a command from the application to process data on the input;

generating output data on the output of the object in response to a command from the application to generate data on the output;

setting a buffer flag in response to a query to provide information about an input data stream, the buffer flag indicating that a plurality of input buffers may be held;

setting a lookahead value, the lookahead value indicating a maximum size of data held by the object;

providing the lookahead value to the application in response to a command from the application to provide buffer size requirements for the input data stream; and

allocating a number of buffers for processing data, defined by

$$number \geq \frac{(\max imumdatasize + 2 * (fixedbuffersize - 1))}{fixedbuffersize}.$$

28. (Currently Amended) The computer-readable medium of claim ~~45~~ 27 having further computer-executable instructions for performing the step of registering an existence with an operating system.

29. (Original) The computer-readable medium of claim 28 wherein the step of registering an existence with an operating system comprises:

identifying a class ID;

identifying a category;

identifying whether a use is keyed;

identifying a number of input data types to register;

identifying the input data types;

identifying a number of output data types to register; and

identifying the output data types.

30-42. (Canceled)